

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	
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U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
TMS		US - 1,865,841	07-05-1932	Cummins	
TMS		US - 3,020,900	02-13-1962	Hoffmann	
TMS		US - 3,508,531	04-28-1970	Squinto et al.	
TMS		US - 3,805,677	04-23-1974	Clary et al.	
TMS		US - 4,056,044	11-01-1977	Kamman et al.	
TMS		US - 4,161,165	07-17-1979	Belush et al.	
TMS		US - 4,180,027	12-25-1979	Taylor	
TMS		US - 4,242,948	01-06-1981	Stang et al.	
TMS		US - 4,286,505	09-01-1981	Arndall	
TMS		US - 4,377,967	03-29-1983	Pelizzoni	
TMS		US - 4,531,502	07-30-1985	Mizuhara	
TMS		US - 4,662,319	05-05-1987	Ayoul	
TMS		US - 4,759,323	07-26-1988	August	
TMS		US - 4,781,159	11-01-1988	Elsbett et al.	
TMS		US - 4,909,132	03-20-1990	Kling et al.	
TMS		US - 4,989,559	02-05-1991	Fletcher-Jones	
TMS		US - 5,000,144	03-19-1991	Schweitzer et al.	
TMS		US - 5,020,485	06-04-1991	Watanabe	
TMS		US - 5,029,563	07-09-1991	Hu	
TMS		US - 5,040,454	08-20-1991	Ballheimer et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
TMS		GB - 465,565	05-10-1937	Maschinenfabrik Augsburg-Nürnberg A.G.		
TMS		GB - 713,637	08-18-1954	Daimler-Benz Aktiengesellschaft		
TMS		DE - M 17120 la/46a ²	08-30-1956	Maschinenfabrik Augsburg-Nürnberg A.G.		
TMS		FR - 1,217,467	05-04-1960	Daimler-Benz Aktiengesellschaft		
TMS		DE - 1 301 657	08-21-1969	Gebrüder Sulzer AG		
TMS		JP - 51-113007	10-05-1976			
TMS		JP - 55-90	01-05-1980			
TMS		GB - 2 075 147 - A	11-11-1981	Kawasaki Jukogyo Kabushiki Kaisha		
TMS		GB - 2 079 851 - A	01-27-1982	Kabushiki Kaisha Komatsu Seisakusho		
TMS		DD - 1588 06	02-02-1983	Presia, Edgar		√ Abst.

Examiner Signature		Date Considered	8-18-04
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U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
Ths		US - 5,099,809	03-31-1992	Kawatani et al.	
Ths		US - 5,121,722	06-16-1992	Horiuchi	
Ths		US - 5,215,052	06-01-1993	Augustin	
Ths		US - 5,299,738	04-05-1994	Genter et al.	
Ths		US - 5,305,720	04-26-1994	Ando et al.	
Ths		US - 5,320,075	06-14-1994	Regueiro	
Ths		US - 5,322,042	06-21-1994	di Priolo et al.	
Ths		US - 5,363,820	11-15-1994	Neitz	
Ths		US - 5,373,820	12-20-1994	Sakamoto et al.	
Ths		US - 5,445,323	08-29-1995	Perr et al.	
Ths		US - 5,555,867	09-17-1996	Freen	
Ths		US - 5,692,468	12-02-1997	Haman et al.	
Ths		US - 5,927,244	07-27-1999	Yamauchi et al.	
Ths		US - 5,983,853	11-16-1999	Roessler et al.	
Ths		US - 6,161,518	12-19-2000	Nakakita et al.	
Ths		US - 2002/0000216 A1	01-03-2002	Ismailov	
		US -			
		US -			
		US -			
		US -			

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
Ths		EP - 0 071 994 - A1	02-16-1983	Deere & Company		√ Abst.
Ths		SU - 1107870 - A	03-15-1984	Gogrichai		√ Abst.
Ths		JP - 59-134322 - (A)	08-02-1984	Isuzu Jidosha KK		√ Abst.
Ths		JP - 59-155551 - (A)	09-04-1984	Mitsubishi Jukogyo K.K.		√ Abst.
Ths		JP - 60-17223 - (A)	01-29-1985	Yanmar Diesel Engine Co. Ltd.		√ Abst.
Ths		JP - 60-32929 - (A)	02-20-1985	Yanmar Diesel Engine Co. Ltd.		√ Abst.
Ths		JP - 60-135651 - (A)	07-19-1985	Mitsubishi Jukogyo K.K.		√ Abst.
Ths		JP - 3-149315	06-25-1991	Yanma Diesel Engine, Inc.		√
Ths		JP - 4-31651 - (A)	02-03-1992	Yanmar Diesel Engine Co. Ltd.		√ Abst./ Partial
Ths		EP - 0 589 178 - A1	03-30-1994	MAN Nutzfahrzeuge Aktiengesellschaft		

Examiner Signature	<i>Argenbright</i>	Date Considered	8-18-04
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cita No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>Tms</i>		PATENT ABSTRACTS OF JAPAN, JP 56-106022 (Hino Motors Ltd.), August 24, 1981.	
<i>Tms</i>		PATENT ABSTRACTS OF JAPAN, JP 06-346736 (Isuzu Motors Ltd.), December 20, 1994.	
<i>Tms</i>		D. A. PIERPONT and R. D. REITZ, "Effects of Injection Pressure and Nozzle Geometry on D.I. Diesel Emissions and Performance", SAE Technical Paper No. 950604, International Congress and Exposition, Detroit, Michigan, February 27 – March 2, 1995.	
<i>Tms</i>		C. G. A. ROSEN, "Future Developments in Commercial Vehicle Engines", Automotive Industries, October 15, 1952, pp. 38-42 and 100-104.	

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